

International Choice Modelling Conference

Barceló Majestic Hotel

Harrogate

30 March 2009 – 1 April 2009

Conference programme

mvaconsultancy



Peter Davidson Consultancy
Transportation Planning, Railways, Research, Modelling & Software



Conference organiser: **Stephane Hess**

Conference chair: **Andrew Daly**

where not otherwise stated, the last speaker in a session will also act as the chair of that session

Monday (part 1)

08:00-10:00	Registration (South Lounge)		
10:00-10:20	Opening session (Ballroom), chair: Andrew Daly		
	Stephane Hess		
10:20-11:20	Plenary session (Ballroom), chair: Andrew Daly		
	Daniel McFadden <i>Sociality, Rationality, and the Ecology of Choice</i>		
11:20-11:40	Tea & coffee (South Lounge)		
11:40-12:40	Parallel sessions II-1		
	Tricky models (Ballroom) Felipe Vásquez Lavín, Michael Hanemann <i>Functional Forms in Discrete/Continuous Choice Models with General Corner Solutions</i> Marisol Castro, Francisco Martínez, Marcela Munizaga <i>Calibration of a logit discrete choice model with elimination of alternatives</i>	Value of travel attributes (Drawing room) Mark Wardman, Nicolás Ibáñez <i>Testing Context, Size and Presentational Effects on Motorists' Responses to Travel Time Savings</i> Eric Kroes, Andrew Daly <i>The consumer value of frequency changes in transport services</i>	Segmentation (Reading room) Isobel Claire Gormley, Thomas Brendan Murphy <i>Clustering preference data in the presence of covariates</i> Jon Crockett, Gerard Andrew Whelan, Caroline Louise Sinclair, Hugh Gillies <i>Which Commuters will Car Share? An Examination of Alternative Approaches to Identifying Market Segments</i>
12:40-13:40	Lunch (main dining room)		
13:40-14:40	Plenary session (Ballroom), chair: Stephane Hess		
	Moshe Ben-Akiva <i>Planning and Action in a Model of Choice</i>		
14:40-14:50	Break		
14:50-15:50	Parallel sessions II-2		
	Asymmetry I (Ballroom) Bruno Lanz, Allan Provins, Ian Bateman, Ece Ozdemiroglu, Riccardo Scarpa <i>On Willingness to Pay – Willingness to Accept Asymmetry in Choice Experiments</i> Mogens Fosgerau, Bruno De Borger <i>Hedonic preferences, symmetric loss aversion and the willingness to pay-willingness to accept gap</i>	Transport applications (Drawing room) Eran Ben-Elia, Dick Ettema <i>A choice model of participation in a reward-based congestion management scheme</i> Charlene Rohr, Andrew Daly, Bhanu Patruni, Flavia Tsang <i>How Important are Frequency and Destination Choice Effects in Long-Distance Travel Behaviour: What Choice Models Can Tell Us</i>	Issues with heterogeneity (Reading room) Fabian Bastin, Cinzia Cirillo <i>On the use of statistical tests in mixed logit estimation</i> Danny Campbell, Stephane Hess, Riccardo Scarpa, John M Rose <i>Using finite mixture models to accommodate preference outliers in discrete choice modelling</i>
15:50-16:20	Tea & coffee (South Lounge)		

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Monday (part 2)

16:20-17:50

Parallel sessions III-1

Asymmetry II (Ballroom)

Katrine Hjorth, Mogens Fosgerau
Determinants of the degree of loss aversion

Ole Bonnichsen, Jacob Ladenburg
Reducing Protest Zero Bias in Stated Preference Surveys - Testing a Protest Reduction Entreaty in a Health Economic Choice Experiment

Ian Bateman, Brett Day, Andrew Jones, Simon Jude
Reducing gain-loss asymmetry: A virtual reality choice experiment valuing land use change

Ordered models (Drawing room)

Erika Spissu, Ipek Sener, Naveen Eluru, Chandra Bhat, Italo Meloni

Spatial and social interdependencies in work participation during traditionally off-work hours

Toshiyuki Yamamoto, Shinya Kurauchi, Takayuki Morikawa
Empirical Identification Issues in Semi-Ordered Lexicographic Model

William Greene
Two Advances in Ordered Choice Modeling

Vehicle ownership (Reading room)

Gerard de Jong, Marco Kouwenhoven, Karst Geurs, Pietro Bucci, Jan Gerrit Tuinenga
The impact of fixed and variable costs on household car ownership

Jan Rouwendal, Bruno de Borger
Multiple car ownership, fuel efficiency and substitution between cars

Melvyn Weeks
Regulation in Oligopolistic Markets with Differentiated Products: The Demand for New Cars

17:50-18:10

Break

18:10-19:20

Early Evening session on software (Ballroom), chair: Richard Batley

John Rose, Andrew Collins, Michiel Bliemer, David Hensher
Designing Choice experiments - Introducing NGene a user friendly generalised package to accommodate most requirements

Michel Bierlaire
Parallel computation in Biogeme

Melvyn Weeks
DCM 2.0: A Package for Estimating Demand Systems of Discrete Choice in Economics and Marketing

William Greene
Aspects of multinomial and ordered choice models in NLOGIT 4.0

Richard Connors, Nicolas Ibanez
CIMLogit: a MATLAB toolbox to efficiently estimate mixed logit models with large choice datasets

Andrew Daly
New developments with ALogit

Stephane Hess
A free software tool for producing individual-specific coefficient distributions from Mixed Logit estimates

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Tuesday (morning)

09:00-10:00	Parallel sessions II-3		
	SC design I: design (Ballroom) John Rose, Riccardo Scarpa, Michiel Bliemer <i>Incorporating model uncertainty into the generation of efficient stated choice experiments: A model averaging approach</i> Michiel Bliemer, John Rose <i>Serial choice conjoint analysis for estimating discrete choice models</i>	Activity choices (Drawing room) Dick Ettema, Theo Arentze, Harry Timmermans <i>Money talks: developing activity generation models based on time and money allocation</i> Aruna Sivakumar, John Polak <i>Modelling the endogeneity in activity participation and technology holdings: An exploration of data</i>	Influences on behaviour (Reading room) Erel Avineri <i>Nudging Travellers to Make Better Choices</i> Fredrik Carlsson, Dinky Daruvala, Henrik Jaldell <i>Do you do what you say or do you do what you say others do?</i>
10:00-10:10	Break		
10:10-11:10	Parallel sessions II-4		
	SC design II: practice (Ballroom) Paul Koster, Yin Yen Tseng <i>Stated preference designs for scheduling models</i> Sean Puckett, John Rose <i>Observed Efficiency of a D-Optimal Design in an Interactive Agency Choice Experiment</i>	Changing preferences (Drawing room) Maria Francisca Yañez, Juan de Dios Ortuzar <i>Modelling choice in a changing environment: assessing the shock effects of a new transport system</i> Harmen Oppewal, Mark Morrison, Paul Wang, David Waller <i>Preference stability: Modelling how consumer preferences shift after receiving new product information</i>	Respondent effects (Reading room) Søren Bøye Olsen, Thomas Hedemark Lundhede, Jette Bredahl Jacobsen, Bo Jellesmark Thorsen <i>Handling respondent uncertainty in Choice Experiments: Evaluating recoding approaches against explicit modelling of uncertainty</i> Peter Bonsall, William Lythgoe <i>Factors affecting the amount of effort expended in making behavioural choices and the accuracy of underlying cost estimates</i>
11:10-11:30	Tea & coffee (South Lounge)		
11:30-12:30	Plenary session (Ballroom), chair: Michel Bierlaire Riccardo Scarpa <i>Choice modelling for public good valuation: recent progress and existing challenges</i>		
12:30-13:30	Lunch (main dining room)		

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Tuesday (afternoon)

13:30-14:30	Plenary session (Ballroom), chair: David Hensher		
	Chandra Bhat <i>Emerging Model Structures and Estimation Methods for Discrete-Continuous and Spatially Dependent Choice Processes</i>		
14:30-14:40	Break		
14:40-15:40	Parallel sessions II-5		
	SC design III: processing (Ballroom) Phani Kumar Chintakayala, Stephane Hess, John Rose, Mark Wardman <i>Effects of stated choice design dimensions on estimates</i> Kaushali Dave, Jeremy Toner, Haibo Chen <i>Examining the Effect of Attribute Representation on Preference Uncertainty</i>	Happiness & regret (Drawing room) Maya Abou-Zeid, Moshe Ben-Akiva <i>Behavioral Models of Happiness and Travel Mode Switching</i> Caspar Chorus, Theo Arentze, Harry Timmermans <i>Random Regret Minimization: Theoretical and Empirical Comparisons with RUM-Modeling</i>	Non-choice elicitation procedures (Reading room) Roberta Raffaelli, Sandra Notaro, Riccardo Scarpa, David Pihlens, Jordan Louviere <i>Valuing the external effects of Alpine transhumance: an application of the best-worst approach to rank-ordered data</i> Thomas Adler, Colin Smith <i>Optimizing Product Portfolios Using Discrete Choice Modeling and TURF</i>
15:40-16:10	Tea & coffee (South Lounge)		
16:10-17:40	Parallel sessions III-2		
	New models (Drawing room) Emma Frejinger, Michel Bierlaire, Moshe Ben-Akiva <i>Expanded Path Size attribute for route choice models including sampling correction</i> Jeffrey Newman <i>Heterogeneous Network GEV Models</i> Chandra Bhat, Ipek Sener, Naveen Eluru <i>A Flexible Spatially Dependent Discrete Choice Model To Examine Teenagers' Frequency of Social Activity Participation</i>	Valuation (Reading room) Dimitris Potoglou, Neil Robinson, Chong Woo Kim, Peter Burge, Richard Warnes <i>Quantifying individuals' trade-offs across privacy, liberty & security: The case of rail travel in the UK</i> David Hsu <i>Evaluation of a New Price Structure for Water Using Discrete Continuous Choice</i> Gerard Andrew Whelan, Jon Crockett <i>A Stated Strength-of-Preference Investigation of the Willingness to Pay to Reduce Rail Overcrowding</i>	
19:00 - onwards	Conference dinner (Ballroom)		

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Wednesday (morning)

09:00-10:00

Parallel sessions II-6

Micro-economics (Ballroom)

James Jeremy Laird

Transport welfare benefits in the presence of an income effect

Sergio Jara-Diaz, Marcela Munizaga, Olguin Javiera
Estimating representative leisure and work time values in Santiago

Endogeneity (Drawing room)

Yukihiko Kidokoro

A Representative Consumer Framework for Discrete Choice Models with Endogenous Total Demand

Stefan Mabit, Mogens Fosgerau
Mode choice endogeneity in value of travel time estimation

Food choices (Reading room)

Carola Grebitus, Sven Anders, Helen Jensen, Jutta Roosen, Joseph Sebranek

Experimental Determination of Canadian Consumers' Willingness-to-pay for Meat Packaging

Takeshi Takama, Stanzin Tsephel, Francis Johnson, Milkyas Debebe
Promoting Clean cooking biofuel in Ethiopia: Qualitative quantitative discrete choice approach to analyse socio economic problems as an integrated tool

10:00-10:10

Break

10:10-11:10

Parallel sessions II-7

Latency I (Ballroom)

Cristian Angelo Guevara, Moshe Ben-Akiva

Addressing Endogeneity in Discrete Choice Models: Assessing Control-Function and Latent-Variable Methods

Stephane Hess, Moshe Ben-Akiva, Dinesh Gopinath, Joan Walker
Taste heterogeneity, correlation and elasticities in latent class choice models

Uncertain outcomes (Drawing room)

Yaron Hollander

What do we really know about travellers' response to unreliability?

Richard Batley, Nicolás Ibáñez
Randomness in outcomes, utilities and tastes; an application to travel time risk

Value of climate change (Reading room)

Wouter Botzen, Jeroen van den Bergh

Monetary Valuation of Insurance against Climate Change Risk

Ralf Martin, George MacKerron, Susana Mourato
Willingness to pay for climate change related R&D

11:10-11:30

Tea & coffee (South Lounge)

11:30-12:30

Plenary session (Ballroom), chair: Mark Wardman

David Hensher

Attribute Processing, Heuristics, and Preference Construction in Choice Analysis

12:30-13:30

Lunch (main dining room)

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Wednesday (afternoon)

13:30-14:30	Plenary session (Ballroom), chair: Moshe Ben-Akiva Michel Bierlaire <i>Automatic facial expression recognition: a discrete choice approach</i>		
14:30-14:50	Tea & coffee (South Lounge)		
14:50-16:20	Parallel sessions III-3		
	Latency II (Ballroom) Simona Rasciute, Eric Pentecost <i>The Latent Heterogeneity in Investment Location Choices of Multinational Enterprises in the Central and Eastern European Countries</i> Wei Tang, Patricia Mokhtarian <i>A Latent Class Model of Purchase Channel Intention</i> Denis Bolduc, Ricardo Alvarez Daziano <i>On estimation of Hybrid Choice Models</i>	Mixed Logit issues (Drawing room) Kelvin Balcombe, Dan Rigby, Michael Burton <i>The impact of distributional assumptions on mixed logit model performance</i> Matthieu de Lapparent <i>Latent class and mixed Logit models with endogenous choice set formation based on compensatory screening rules</i> Elisabetta Cherchi, Cinzia Cirillo, Juan de Dios Ortuzar <i>A mixed logit mode choice model on panel data: accounting for different correlation over time periods</i>	Residence location (Reading room) Eleni Kitrinou, Amalia Polydoropoulou, Denis Bolduc <i>Development of Integrated Choice and Latent Variable (ICLV) models for the residential relocation decision in island areas</i> Taha Hossein Rashidi, Kouroos Mohammadian, Frank Koppelman <i>A Dynamic Hazard-Based Structural Equations Model of Vehicle Ownership with Endogenous Residential and Job Location Changes Incorporating Group Decision Making</i> Mette Termansen <i>Combining choice models and habitat succession models for land use change modelling</i>
16:20-16:40	Closing session (Ballroom), chair: Stephane Hess		

